

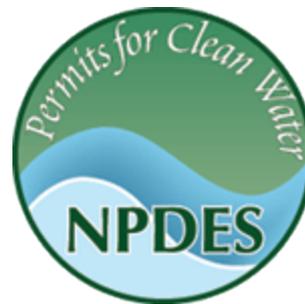
New Regulations

2013 Green Gardening Workshop
Walking the Talk:
Tools for Sustainable Landscapes

Lisa Port, APLD
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Stormwater is and will be, regulated

- Clean Water Act
- National Pollution Discharge Elimination System (NPDES)
- Washington State Department of Ecology
- Municipal permits



Definitions

- **Stormwater:** is water (rain, snow...) that originates during precipitation events and enters the stormwater system. Stormwater that does not soak into the ground becomes surface runoff, which either flows directly into surface runoff or is channeled into storm sewers which eventually discharge to surface waters.
- **Low Impact Development (LID):** LID is an approach to land development (or re-development) that works **with nature** to manage stormwater as close to its source as possible.
- <http://water.epa.gov/polwaste/green/> for more information

Low Impact Development (LID)

- LID Techniques include:
 - Rain gardens
 - Bioretention facilities
 - Permeable pavement / pavers
 - Green roofs
 - Rain water harvesting;
 - cisterns and rain barrels



Regulatory Changes are Coming

- Western Washington - LID will be **required** in new development and re-development projects
- Eastern Washington - LID **allowed**
- Timeline depends on population size of a city
 - Earliest: 2015 (Seattle and surrounding cities)
 - Most by: 2016
 - Latest: 2018



DEPARTMENT OF
ECOLOGY
State of Washington

How to be prepared?



Preparation

- Technical Documents:
 - WA-DOE 2012 Stormwater Management Manual for Western WA (SWMMWW)
 - Low Impact Development: Technical Guidance Manual for Puget Sound
 - And the Rain Garden Handbook for Western WA.
- City and jurisdiction requirements
- Become educated
- Social media groups such as LinkedIn
- Network and develop a team approach

Resources

- <http://www.ecy.wa.gov/programs/wq/stormwater/manual.html> 2012 Stormwater Management Manual for Western Washington (SWMMWW)
- http://www.psp.wa.gov/downloads/LID/20121221_LID_manual_FINAL_secure.pdf Low Impact Development: Technical Guidance Manual for Puget Sound.
 - Precise information regarding LID for industry professionals
- <https://fortress.wa.gov/ecy/publications/publications/1310027.pdf> Rain Garden Handbook for Western WA
 - A Guide for Design, Installation and Maintenance